

# **Glossary**

## **Asynchronous Interconnection**

A non-synchronous transmission interconnection between two electric power systems. Usually interconnected by means of a DC Tie.

## **Converter Station**

The main component of an HVDC Interconnection that connects two separate high voltage AC Systems via a DC link. The basic principle of operation of an HVDC system is based on the conversion of AC to DC and vice-versa by means of converter valves comprised of power thyristors. Along with the converter transformers, AC switchyard, AC filters, capacitor banks, smoothing reactors and DC filters these components create a DC Tie.

## **Direct Current (DC) Tie**

The tie normally connects to independent systems with different and incompatible electrical parameters such as frequency, voltage level, or short circuit power levels by converting the power from AC to DC and back to AC.

## **Reliability Must Run (RMR) Unit**

A Generation Resource unit operated under the terms of an annual agreement that would not otherwise be operated except that they are necessary to provide voltage support, stability or management of localized transmission constraints under first contingency criteria where market solutions do not exist.